

PHILIP MORRIS USA
RESEARCH AND DEVELOPMENT DEPARTMENT

JAPAN TEST #30
MR4-06GMJ

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DATE: November 23, 1976

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JAPAN TEST #30

Marlboro long size cigarettes from Japan were received for testing on November 9, 1976. These cigarettes were of October 19-26, 1976 production.

The current sample was different from the previous average in total alkaloids and total reducing sugars. The total reducing sugars returned to the level of Test #27.

MARLBORO LONG SIZE 20'S (BOX)

	<u>Current</u>	<u>Prev. Avg.</u>
<u>Smoke</u>		
Butt Length, mm	25	25
FTC Tar, mg/cigt.	19.2	17.9
TPM, mg/cigt.	22.8	22.1
Nicotine, mg/cigt.	1.34	1.25
Water, mg/cigt.	2.3	2.9
Puffs/cigt.	9.6	9.1
Filtration Eff., %	43	45
<u>Cigarette</u>		
Total RTD, in. of H ₂ O	5.0	5.0
mm of H ₂ O	127	127
Static Burn. Time, min.	8.7	8.1
Length, mm	80.1	80.1
Circumference, mm	24.9	25.0
Diameter, mm	7.9	8.0
<u>Paper</u>		
Porosity, sec.	16	19
<u>Filter</u>		
RTD, in. of H ₂ O	2.7	2.8
mm of H ₂ O	69	71
Length, mm	17.0	17.0
Weight, g	0.11	0.11
Tipping paper length, mm	22	22
<u>Filler</u>		
Total alkaloids, %	1.87	1.69
Total reducing sugars, %	8.4	6.5
Wt. of tob., 1,000 cigts., g	839	829
1,000 cigts., lbs.	1.8474	1.8254
Rod Density, g/cc	0.270	0.264
¹ C.V., cc/10 g	31	32
C.V., cc/10 g (Corrected to 12% O.V.)	36	36
¹ Oven Volatiles, %	13.5	13.3
¹ Equilibrated at 75°F and 60% R.H. for 48 hrs.		

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